

Part 573 Safety Recall Report

20V-526

Manufacturer Name : Motor Coach Industries**Submission Date :** AUG 31, 2020**NHTSA Recall No. :** 20V-526**Manufacturer Recall No. :** SB 486**Manufacturer Information :**

Manufacturer Name : Motor Coach Industries

Address : 200 East Oakton Street

Des Plaines IL 60018

Company phone : 1-800-241-2947

Population :

Number of potentially involved : 3,598

Estimated percentage with defect : 5 %

Vehicle Information :

Vehicle 1 : 2017-2020 MCI D4505

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall involves certain 2017 – 2020 MCI D series and J4500 model buses in which the coolant hoses may fail, resulting in a low coolant warning followed by an engine shut down sequence. As a result of the hose failing, engine coolant has the potential to be spilled on the roadway. Additionally, the bus may not be able to be driven from the point of disablement. The recall population was determined to be all vehicles built starting from model year 2017 using coolant hoses from Purosil (supplier). The vehicles not included in the recall were built prior to model year 2017, or have coolant hoses supplied from a different supplier.

Production Dates : JUN 07, 2016 - AUG 03, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2017-2020 MCI D4005

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall involves certain 2017 – 2020 MCI D series and J4500 model buses in which the coolant hoses may fail, resulting in a low coolant warning followed by an engine shut down sequence. As a result of the hose failing, engine coolant has the potential to be spilled on the roadway. Additionally, the bus may not be able to be driven from the point of disablement. The recall population was determined to be all vehicles built starting from model year 2017 using coolant hoses from Purosil (supplier). The vehicles not included in the recall were built prior to model year 2017, or have coolant hoses supplied from a different supplier.

Production Dates : JUN 07, 2016 - AUG 03, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2017-2020 MCI D4500

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall involves certain 2017 – 2020 MCI D series and J4500 model buses in which the coolant hoses may fail, resulting in a low coolant warning followed by an engine shut down sequence. As a result of the hose failing, engine coolant has the potential to be spilled on the roadway. Additionally, the bus may not be able to be driven from the point of disablement. The recall population was determined to be all vehicles built starting from model year 2017 using coolant hoses from Purosil (supplier). The vehicles not included in the recall were built prior to model year 2017, or have coolant hoses supplied from a different supplier.

Production Dates : JUN 07, 2016 - AUG 03, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2017-2020 MCI D4000

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall involves certain 2017 – 2020 MCI D series and J4500 model buses in which the coolant hoses may fail, resulting in a low coolant warning followed by an engine shut down sequence. As a result of the hose failing, engine coolant has the potential to be spilled on the roadway. Additionally, the bus may not be able to be driven from the point of disablement. The recall population was determined to be all vehicles built starting from model year 2017 using coolant hoses from Purosil (supplier). The vehicles not included in the recall were built prior to model year 2017, or have coolant hoses supplied from a different supplier.

Production Dates : JUN 07, 2016 - AUG 03, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2017-2020 MCI J4500

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall involves certain 2017 – 2020 MCI D series and J4500 model buses in which the coolant hoses may fail, resulting in a low coolant warning followed by an engine shut down sequence. As a result of the hose failing, engine coolant has the potential to be spilled on the roadway. Additionally, the bus may not be able to be driven from the point of disablement. The recall population was determined to be all vehicles built starting from model year 2017 using coolant hoses from Purosil (supplier). The vehicles not included in the recall were built prior to model year 2017, or have coolant hoses supplied from a different supplier.

Production Dates : JUN 07, 2016 - MAR 27, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The defect is that the coolant hose may fail, resulting in a low coolant warning followed by an engine shut down sequence. As a result of the hose failing, engine coolant has the potential to be spilled on the roadway. Additionally, the coach bus may not be able to be driven from the point of disablement, which might require another bus to pick up the passengers and result in loading and unloading on the side of the road.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The defect may result in increased risk of personal injury due to another vehicle potentially colliding with a disabled bus; from passengers needing to disembark the disabled vehicle and enter a replacement vehicle at roadside; and/or from other vehicles experiencing reduced traction if they are unable to avoid spilled coolant on the roadway.

Description of the Cause : The cause is a rupture of the coolant hose. This may be a result of the liner seam not being fully fused during the curing cycle.

Identification of Any Warning that can Occur : A low coolant telltale will illuminate once engine coolant drops below the minimum level.

Involved Components :

Component Name 1 : Tube - hot water supply

Component Description : Tube - hot water supply

Component Part Number : 16-11-1970

Component Name 2 : Hose - Coolant, 90 deg elbow

Component Description : Hose - Coolant, 90 deg elbow

Component Part Number : 06-08-1006

Component Name 3 : Hose - hump, coolant

Component Description : Hose - hump, coolant

Component Part Number : 6L-8-353

Supplier Identification :

Component Manufacturer

Name : Purosil LLC
Address : 708 S. Temescal Street
Corona CALIFORNIA 92879
Country : United States

Chronology :

As a result of reports submitted by MCI through the TREAD system, the NHTSA Office of Defects Investigation opened ODI PE20-001 in April 2020. MCI submitted its response to NHTSA's information requests in June 2020. After reviewing warranty data from Q3 2019 through Q2 2020 for all MCI coaches (D-series and J-model), and after further discussions with NHTSA, MCI decided in August 2020 to conduct a safety recall of the affected D-series and J-model buses to replace the three hoses referenced above.

Description of Remedy :

Description of Remedy Program : MCI will issue a Field Change Program to replace the subject hoses with a hose from a different supplier, at no charge to vehicle owners.

How Remedy Component Differs from Recalled Component : The hoses from the alternate supplier have not seen failures or the potential defect identified in the subject hoses.

Identify How/When Recall Condition was Corrected in Production : The recall condition was corrected on the three hoses at different times by changing the hose supplier from Purosil to Flex Tech.

16-11-1970 changed Nov 23, 2018
06-08-1006 changed July 26, 2019
6L-8-353 for J Model changed March 27, 2020; for D series changed July 30, 2020.

Recall Schedule :

Description of Recall Schedule : MCI will mail customer notification letters and service bulletins within seven (7) days after NHTSA approval.

Planned Dealer Notification Date : SEP 30, 2020 - SEP 30, 2020
Planned Owner Notification Date : SEP 30, 2020 - SEP 30, 2020

* NR - Not Reported